

Multiband Self-Powered Radio

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Multiband Self-Powered Radio lets you enjoy music, sports, and news almost anywhere, even without conventional batteries.

Emergency Alarm — lets you use the radio to sound a shrill, repeating beep when you are in distress.

Multiple Power Options — lets you power your radio from either the built-in power generator and supplied rechargeable battery pack, 2 AA batteries (not supplied), your vehicle's cigarette-lighter socket (using an optional DC adapter), or AC power (using an optional AC adapter).

Telescoping Antenna — provides the best radio signal for FM, WX (weather) and SW (shortwave) bands. A built-in AM antenna provides quality AM reception.

Important: The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is



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part of the company's commitment to preserving our environment and conserving our natural resources.

FCC DECLARATION OF CONFORMITY

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product: Multiband Self-Powered Radio
Model: 12-803
Responsible RadioShack
Party: 100 Throckmorton
Fort Worth, TX 76102
Phone: 817-415-3200

The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception. Which can be determined by turning the equipment off and on, the user is

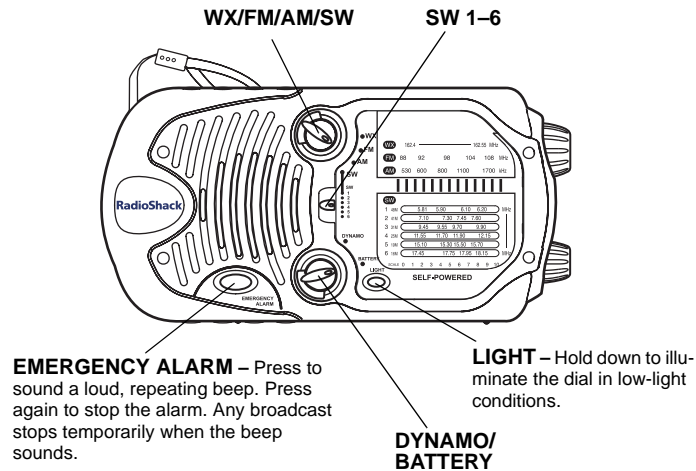
encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.



Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

A QUICK LOOK AT YOUR RADIO

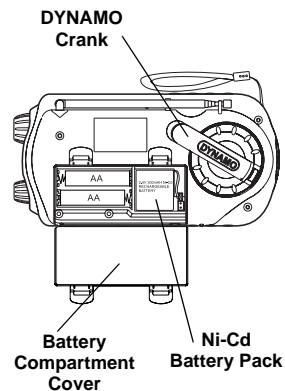


CONNECTING POWER

Using the Rechargeable Battery Pack

Your radio has a built-in power generator to charge the internal rechargeable battery pack. When you rotate the crank for as little as 2 minutes, the generator charges the Ni-Cd battery to power the radio for over 30 minutes.

1. To remove the battery compartment cover, push the cover's tabs down and pull the cover in the direction of the arrows marked on the cover.
2. The supplied Ni-Cd battery is installed but not connected. Insert the battery pack's white plug into the socket.



Cautions:

- The battery pack's polarized plug fits into the socket only one way. Do not force it. If the plug does not fit properly, turn it over and try again.
 - The supplied battery pack plug has the red wire towards the top of the radio when inserted correctly.
3. Replace the compartment cover.
 4. Set **DYNAMO/BATTERY** to **DYNAMO** or **BATTERY**. Charging takes place in either position.

5. Set **VOLUME/OFF** to **OFF**.

6. Lift the crank and rotate it clockwise or counterclockwise.

Note: Radio operation time depends on the number of turns and the time per turn. For example, about 2 turns per second for 2 minutes will provide over 30 minutes of radio operation at a medium volume level. You can recharge the battery pack even while the radio plays.

7. Return the crank to the folded position.

If turning the crank at about 2 turns per second for about 1 minute does not power the radio for at least 15 minutes, replace the battery pack with a DC 2.4V, 300mAH rechargeable Ni-Cd battery pack, available at your local RadioShack store.

Using Batteries

Your radio can use two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

Caution:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries or different types of batteries (standard, alkaline, or rechargeable).

1. Remove the battery compartment cover.

2. Place the batteries in the compartment as indicated by the polarity symbols (+ and –) marked inside.

3. Replace the cover.
4. Set **DYNAMO/BATTERY** to **BATTERY**.

When the radio does not operate properly or the sound weakens, replace the AA batteries.

Warning: Dispose of batteries promptly and properly; do not bury or burn them.

Caution: If you do not plan to use the radio for a week or more, remove the AA batteries. Batteries can leak chemicals that can destroy electronic parts.

Using AC or DC Power

You can power the radio from AC power using a 3V, 200mA AC adapter and a size M Adaptaplug adapter (neither supplied), or from a vehicle's 12V cigarette-lighter socket or similar power source using a 3V, 200mA DC adapter and a size M Adaptaplug adapter (neither supplied). Both are available at your local RadioShack store.

Cautions:

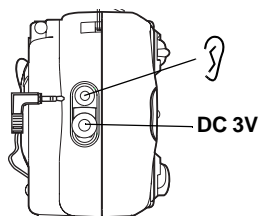
- You must use a (Class 2 for AC) power source that supplies 3V DC and delivers at least 200mA. Its center tip must be set to positive and its plug must fit the radio's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the radio or the adapter.
- Always connect the AC or DC adapter to the radio before you connect it to the power source. When you finish, disconnect the adapter from the power source before you disconnect it from the radio.


Note: Connecting an AC or DC adapter automatically disconnects all batteries.

1. If necessary, set the adapter's voltage switch to 3V.
2. Connect the Adaptaplug adapter to the AC adapter.
3. Plug the adapter into your radio's **DC 3V** jack.
4. Plug the other end of the AC adapter into a standard AC outlet (or the DC adapter into the vehicle's cigarette lighter socket).

Note: If the radio does not power up properly from DC power, unplug the adapter from the cigarette-lighter socket and clean the socket to remove ashes and debris.

USING EARPHONES/HEADPHONES



To listen to the radio privately, connect an earphone or headphone with a 1/8-inch (3.5-mm) plug to  (earphone/headphone) jack beneath the rubber flap on the side of the radio. Plugging in an earphone or headphone disconnects the internal speaker.

Listening Safely

To protect your hearing, follow these guidelines when you use an earphone or headphone.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.

- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level. So a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear earphones or headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

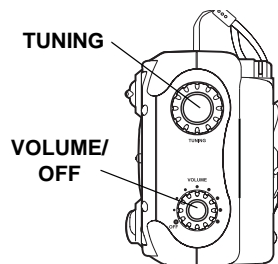
Even though some earphones or headphones let you hear some outside sounds when listening at normal volume levels, they can still present a traffic hazard.

PLAYING THE RADIO

1. To power the radio using the Ni-Cd pack, rotate **DYNAMO/BATTERY** to **DYNAMO**. If you installed AA batteries, rotate **DYNAMO/BATTERY** to **BATTERY**.
2. Rotate **VOLUME/OFF** clockwise to turn the radio on.

Note: For the best FM/WX/SW reception, fully extend the telescoping antenna. The AM antenna is built-in. For the best AM reception, rotate the radio.

3. Set **WX/FM/AM/SW** to the desired band.



If you set **WX/FM/AM/SW** to **SW** (shortwave), set **SW 1–6** to the desired band.

4. Rotate **TUNING** to the desired station.
5. Adjust **VOLUME** to a comfortable listening level.
6. To turn off the radio, turn **VOLUME** counterclockwise until it clicks.

CARE

Keep the radio dry; if it gets wet, wipe it dry immediately. Use and store the radio only in normal temperature environments. Handle the radio carefully; do not drop it. Keep the radio away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the radio's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your radio is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your radio until you have resolved the problem.

SPECIFICATIONS

BANDS

Frequency Range:

AM	530 – 1710 kHz
FM	88 – 108 MHz
WX	162.40 – 162.55 MHz
SW1	5.81 – 6.20 MHz
SW2	7.10 – 7.60 MHz
SW3	9.45 – 9.90 MHz
SW4	11.55 – 12.15 MHz
SW5	15.10 – 15.70 MHz
SW6	17.45 – 18.15 MHz

Intermediate Frequency:

AM	455 kHz
FM	10.7 MHz
WX	465 kHz

GENERAL

Power Output (at 10% THD):

2 AA batteries	80 mW
Rechargeable Battery Pack	65 mW
Power Requirements	3V DC one 2.4V DC 300mAH Ni-Cd rechargeable battery pack (Cat. No. 23-290)(supplied) or 2 AA batteries or AC/DC adapter (not supplied)

Speaker Impedance	8 Ohm
Speaker	1 ³ / ₄ inches (45mm)

Antenna:

AM Ferrite Bar Antenna

FM/WX/SW 1–6 Telescoping Antenna

Dimensions (HWD) $3^{15}/_{16} \times 7^{15}/_{16} \times 2^{15}/_{16}$ Inches
(100 × 201 × 74 mm)

Weight (without batteries) 1 lb 4 oz (565 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or re-installation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

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Fort Worth, Texas 76102

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